MICROIRRIGATION IRRIGATION SYSTEM
CONSTRUCTION AND OPERATIONS CHECK SHEET

Cooperator: _____ Location: _____
Conservation District: _____ Field Office: _____
Identification No.: _____ Field No. _____

Total Acreage _____ Acreage Operated Simultaneously _____

System installed according to plan (yes) (no) with approved changes shown on plan.

Construction Check:

		Irrigation Unit			
Operating Pressure at Pump (psi)	Design				
	Check				
Operating Pressure At Filter Inlet (psi)	Check				
Operating Pressure At Filter Outlet (psi)	Check				
Lateral Spacing (ft)	Design				
	Check				
Lateral Inside Diameter (in)	Design				
	Check				
Applicator Brand Name	Design				
	Check				
Applicator Orifice Diameter (in)	Design				
	Check				
Applicator Spacing (ft)	Design				
	Check				
Wetted Diameter (ft)	Design				
	Check				
Number of Applicators	Design				
	Check				
Average Discharge Rate (gph)	Design				
	Check				
Discharge Variation (gph)	Design	to	to	to	to
	Check	to	to	to	to

NOTE: When actual discharge of applicator exceeds the 20% variation of the design discharge rate a redesign is acceptable if it has been determined that the system was installed as originally designed and is approved by the cooperator. Explain why original design did not perform as planned.

The following components shall be checked to determine conformance with plans and specifications. Place a ✓ if in conformance with plans and specifications.

Valves: Air Release Valves _____; Pressure Release (stamped and sealed) _____;

Check Valve _____; Vacuum Breaker _____; Low Pressure Drain _____; Flush Valves _____;

Exposed PVC Pipe, Painted _____; Filter Capacity _____; Mesh Size _____;

Applicator Spray Uniformity _____; Thrust Blocks _____;

PVC pipe is marked in accordance with applicable ASTMs _____ or pipe material certification received from Installer _____;

There is a one year guarantee on file from the installer that protects the owner against defective workmanship and materials _____.

Note: Underground pipelines installed as a component of this system shall be recorded according to Notekeeping for Irrigation Water Conveyance – Pipeline, in the Engineering Field Handbook, Florida Supplement, Chapter 1.

Depth of Pipe Cover Measured at Location: A _____ in., B _____ in., C _____ in., D _____ in. E _____ in., F _____ in., G _____ in. (See design drawings for location.) Depth of cover shown on design drawings _____.

Operation Check of Applicators:

Irrigation Unit:					Irrigation Unit:				
Location	Volume (ml)	Time (sec.)	Flow Rate (gph)	Pressure (psi)	Location	Volume (ml)	Time (sec.)	Flow Rate (gph)	Pressure (psi)
Average Discharge Rate: gph					Average Discharge Rate: gph				

The discharge rate of any applicator in an operating unit can no exceed a total variation of 20% of the design discharge rate.

Remarks:

This practice meets NRCS standards and specifications. _____ Date: _____
(Signature)

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